

ABSTRACT

The present invention provides a method for treating or
5 preventing a pathophysiological state of an organ in an individual
wherein this state is characterized by an undesirable level of cyclin-
dependent kinase inhibitor activity in the organ, comprising the step
of regulating the expression of the *p21* gene in the organ of the
individual. Also provided is a method for treating chronic
10 progressive renal failure in an individual in need of such treatment,
comprising the step of regulating the expression of the *p21* gene in
one or both kidneys of the individual wherein the regulation of the
p21 gene results in the manipulation of cyclin-dependent kinase
inhibitor activity in one or both kidneys. In addition there is
15 provided a method of lowering the rate of long-term rejection of a
transplanted organ in an individual comprising the step of
transplanting into the individual the organ from a donor wherein the
p21 gene in the organ is not expressed.